इंटरनेट मानक

Disclosure to Promote the Right To Information

Whereas the Parliament of India has set out to provide a practical regime of right to information for citizens to secure access to information under the control of public authorities, in order to promote transparency and accountability in the working of every public authority, and whereas the attached publication of the Bureau of Indian Standards is of particular interest to the public, particularly disadvantaged communities and those engaged in the pursuit of education and knowledge, the attached public safety standard is made available to promote the timely dissemination of this information in an accurate manner to the public.

“जानने का अधिकार, जीने का अधिकार”
Mazdoor Kisan Shakti Sangathan
“The Right to Information, The Right to Live”

“पुराने को छोड नये के तरफ”
Jawaharlal Nehru
“Step Out From the Old to the New”

IS 5241 (1987): Shoe Polish Containers [MTD 32: Metal Containers]

“ज्ञान से एक नये भारत का निर्माण”
Satyanarayan Gangaram Pitroda
“Invent a New India Using Knowledge”

Act Number 22 of 2005
The Indian Parliament
RIGHT TO INFORMATION

Made Available By
Public.Resource.Org

“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”
Bhartṛhari—Nītiśatakam
“Knowledge is such a treasure which cannot be stolen”

BLANK PAGE

BRUTUM FULMEN

IGNORANTIA
JURIS
NON EXCUSAT

PROTECTED BY COPYRIGHT

IS : 5241 - 1987
(Reaffirmed 2002)

Indian Standard

SPECIFICATION FOR SHOE POLISH CONTAINERS

(First Revision)

UDC 621·798·144 : 665·92 : 685·31

© *Copyright* 1987

BUREAU OF INDIAN STANDARDS
MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG
NEW DELHI 110002

Gr 2 *August* 1987

Indian Standard

SPECIFICATION FOR SHOE POLISH CONTAINERS

(First Revision)

Metal Containers Sectional Committee, MCPD 12

Chairman	*Representing*
Shri A. C. Puri	Metal Box India Ltd, Calcutta
Members	
Shri J. S. Narula (*Alternate* to Shri A. C. Puri)	
Shri B. S. R. Anjaneyulu	Hindustan Petroleum Corporation Ltd, Bombay
Shri R. D. Kale (*Alternate*)	
Shri V. C. Bhargava	Directorate of Plant Protection, Quarantine & Storage, Faridabad
Shri S. K. Ghosh (*Alternate*)	
Shri Sanjay Bhatia	Hindustan Tin Works Pvt Ltd, Ghaziabad
Shri J. B. Kapil (*Alternate*)	
Shri D. M. Bhatt	Tri-sure India Ltd, Bombay
Shri Mohan Menon (*Alternate*)	
Shri M. K. Day	M. L. Day and Company Pvt Ltd, Calcutta
Shri U. R. Shome (*Alternate*)	
Shri M. L. Day	Day Drums Industries, Calcutta
Shri P. L. Day (*Alternate*)	
Shri Samiul Haque	Directorate of Weights & Measures (Ministry of Food & Civil Supplies), New Delhi
Shri N. S. Pangtey (*Alternate*)	
Shri A. K. Hazra	Indian Aluminium Company Ltd, Calcutta
Shri P. Chakravorty (*Alternate*)	
Shri N. C. Jain	Ministry of Defence (DGI)
Lt-Col K. R. Dharmadhikary (*Alternate*)	
Shri P. D. Katrak	Zenith Tin Works Ltd, Bombay
Shri A. S. Gabula (*Alternate*)	
Shri M. M. L. Khullar	Tinplate Company of India, Calcutta
Shri P. K. Banerjee (*Alternate*)	
Shri U. D. Laad	Poysha Industrial Company Ltd, Bombay
Shri V. J. Prakash (*Alternate*)	

(*Continued on page* 2)

© *Copyright* 1987

BUREAU OF INDIAN STANDARDS

This publication is protected under the *Indian Copyright Act* (XIV of 1957) and reproduction in whole or in part by any means except with written permission of the publisher shall be deemed to be an infringement of copyright under the said Act.

(*Continued from page* 1)

Members	*Representing*
Dr H. Mukherjee	Department of Explosives, Nagpur
Shri A. S. Ghoshal (*Alternate* I)	
Shri S. K. Bhargava (*Alternate* II)	
Shri P. V. Narayanan	Indian Institute of Packaging, Bombay
Shri K. B. Gupta (*Alternate*)	
Shri M. B. Ramgadia	Indian Oil Corporation Ltd, Bombay
Shri T. S. Viswanathan (*Alternate*)	
Shri D. S. Rathore	All India Food Preserver's Association (Regd), New Delhi
Shri H. C. Lal (*Alternate*)	
Shri K. M. Sahni	Directorate of Vanaspati, Vegetable Oils and Fats (Ministry of Food & Civil Supplies), New Delhi
Dr I. A. Siddiqi (*Alternate*)	
Shri K. S. Singh	Steel Authority of India Ltd, New Delhi
Shri B. Mahapatra (*Alternate*)	
Shri Kulwant Singh	Directorate General of Technical Development, New Delhi
Shri V. N. S. Manian (*Alternate*)	
Shri G. K. Sood	The Vanaspati Manufacturers' Association of India, Bombay
Shri P. D. Vashist	Directorate of Marketing and Inspection (Ministry of Rural Development), Faridabad
Shri R. J. Verma (*Alternate*)	
Shri B. L. Raina, Director (MCPD)	Director General, BIS (*Ex-officio Member*)

Secretary

Shri A. R. Gulati
Joint Director (MCPD), BIS

Tinplate Containers Subcommittee, MCPD 12 : 2

Members	
Shri H. V. Barchha	Hand Operated Tin Containers Manufacturers Association, Rajkot
Shri V. V. Barchha (*Alternate*)	
Shri Sanjay Bhatia	Hindustan Tin Works Pvt Ltd, Ghaziabad
Shri J. B. Kapil (*Alternate*)	
Shri S. S. Bhatnagar	Hindustan Petroleum Corporation Ltd, Bombay
Shri R. D. Kale (*Alternate*)	
Shri R. H. Bhatt	Pesticides Association of India, New Delhi
Shri C. G. Koteshwarn (*Alternate*)	
Shri S. Dawood	Tin Fabricators' Association of South India, Hyderabad
Shri K. R. Das	Indian Paint Association, Calcutta

(*Continued on page* 8)

Indian Standard

SPECIFICATION FOR SHOE POLISH CONTAINERS

(First Revision)

0. FOREWORD

0.1 This Indian Standard (First Revision) was adopted by the Indian Standards Institution on 13 March 1987, after the draft finalized by the Metal Containers Sectional Committee had been approved by the Marine, Cargo Movement and Packaging Division Council.

0.2 This Indian Standard first published in 1969 has been revised to incorporate modified shapes and dimensions of shoe polish containers prevalent in the trade. To remove any ambiguity in the calculation of gross capacity of the container, method for measurement of the gross capacity has also been included.

0.3 This Indian Standard contains clauses **3.5** and **3.6** which call for agreement between the purchaser and the supplier and which permit the purchaser to use his option for selection to suit his requirements.

0.4 For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test, shall be rounded off in accordance with IS : 2-1960*. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

1. SCOPE

1.1 This standard prescribes the requirements for the seamless round containers manufactured from tinplate, blackplate or tin-free steel sheet for packing shoe polish in the quantities of 15 and 40 g.

2. TERMINOLOGY

2.1 For the purpose of this standard, the definitions given in IS : 1394-1984† shall apply.

---

*Rules for rounding off numerical values (*revised*).

†Glossary of terms relating to metal containers (*third revision*).

3. REQUIREMENTS

3.1 Capacity — The gross capacity of the container body when measured as per the method given in Appendix A, shall be as given in Table 1.

3.2 Dimensions and Tolerances — The container shall be manufactured to the dimensions and tolerances specified in Table 1. Fig. 1A, 1B and 1C illustrate other shapes of shoe polish containers.

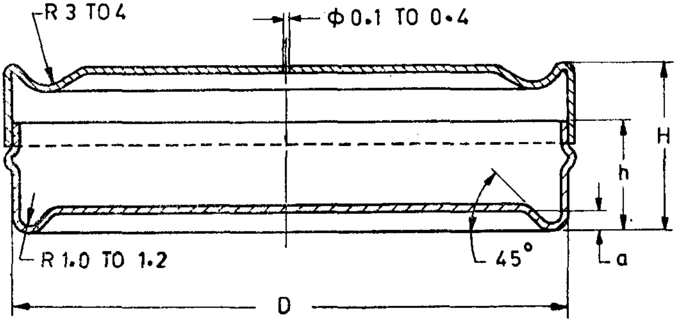
3.3 Material

3.3.1 The body and the lid of the container shall be made from tinplate blackplate or tin-free steel sheet of the nominal thickness as given in Table 1. The tolerances allowed on the thickness of the plate shall be as specified in IS : 1993-1982*.

TABLE 1 CAPACITIES AND DIMENSIONS OF SHOE POLISH CONTAINERS

(*Clauses* 3.1, 3.2 *and* 3.3.1)

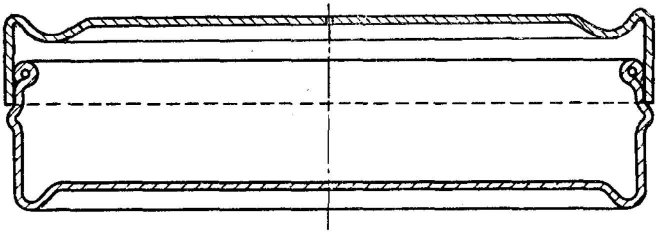
All dimensions in millimetres.



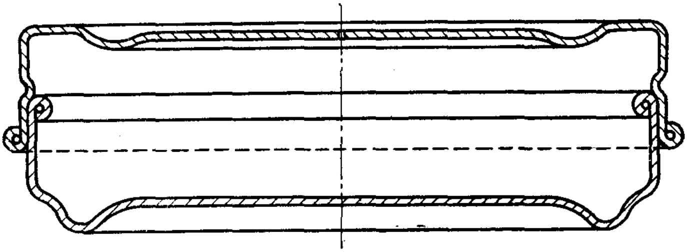
NET MASS OF THE CONTENTS TO BE PACKED	OUTSIDE DIAMETER *D*	DEPTH OF RECESS, *Max* *a*	BODY HEIGHT, *h*	GROSS CAPACITY OF THE BODY *Min*	CONTAINER OVERALL HEIGHT *Max* *H*	THICKNESS OF PLATE	
						Body	Lid
g	mm	mm	mm	ml	mm	mm	mm
15	52·5 ± 1·5	2·75	10·5 ± 1·5	16·0	16·9	0·20	0·20
40	71·0 ± 1·5	3·50	14·0 ± 1·5	43·0	20·0	0·20	0·22

---

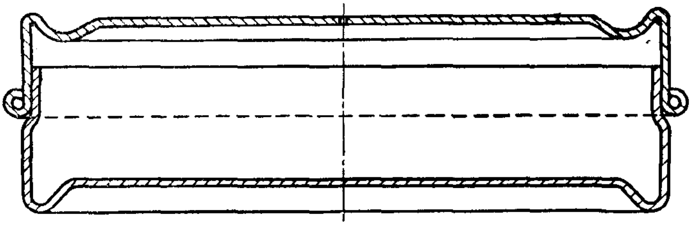
*Specification for cold-reduced tinplate and cold-reduced blackplate (*second revision*).



1A *Body with an External Bead and Top Edge Curled Outside;* Lid with Raw Edge



1B Body with Top Edge, Curled Inside, Lid with an Internal Bead, Curved Outside



1C Body with Stepped Straight Edge, Lid with Curled Outside

Fig. 1 Different Shdaes of Shoe Polish Container

3.3.2 For tinplate, the tin coating shall correspond to E2.8/2.8 given in Table 1 of IS : 1993-1982*. Lower tin coating may be used if agreed to between the purchaser and the supplier.

---

*Specification for cold-reduced tinplate and cold-reduced blackplate (*second revision*).

3.4 Manufacture

3.4.1 The body and the lid shall be manufactured from a single piece of tinplate, blackplate or tin-free steel sheet.

3.4.2 *Fittings* — The lid when fitted to the body with aluminium foil at the top shall be such that it cannot be rotated by normal grip but can be opened with an opening device.

3.4.3 The containers shall be new and in a clean condition, both inside and outside. They shall be free from traces of rust and foreign matter.

3.5 Internal Finish — The internal surface of the container may be plain or with a protective coating as required by the purchaser. Container made from blackplate or tin-free steel sheet shall be lacquered on the inside. The internal protective coating shall be solvent product resistant.

3.6 External Finish — The outside surface of the container may be given a protective or decorative coating or both, if so required by the purchaser.

4. MARKING

4.1 The manufacturer's name, initials or recognized trade-mark, if any, shall be clearly and indelibly marked or embossed on the containers.

4.2 Any other information as required by the purchaser shall be printed or embossed on the container.

4.2.1 The containers may also be marked with the Standard Mark.

NOTE — The use of the Standard Mark is governed by the provisions of the Bureau of Indian Standards Act 1986 and the Rules and Regulations made thereunder. The Standard Mark on products covered by an Indian Standard conveys the assurance that they have been produced to comply with the requirements of that standard under a well-defined system of inspection, testing and quality control which is devised and supervised by BIS and operated by the producer. Standard marked products are also continuously checked by BIS for conformity to that standard as a further safeguard. Details of conditions, under which a licence for the use of the Standard Mark may be granted to manufacturers or producers, may be obtained from the Bureau of Indian Standards.

5. SAMPLING

5.1 Sampling and Inspection — Representative samples for lot inspection shall be drawn in accordance with IS : 3259-1966*.

5.2 The scale of sampling and permissible number of defects for visual characteristics shall be in accordance with Table 1 of IS : 3259-1966*.

---

*Methods for sampling of metal containers.

APPENDIX A

(*Clause* 3.1)

METHOD FOR MEASUREMENT OF GROSS CAPACITY OF SHOE POLISH CONTAINERS

A-1. APPARATUS

A-1.1 Burette reading up to 1 ml.

A-1.2 A round glass plate of at least 3 mm bigger dia than the container dia and having a central hole of 3 mm dia approx.

A-1.3 Laboratory glass beaker for pouring water into the burette.

A-2. PROCEDURE

A-2.1 Put the dry empty container under the burette (filled with water) and place the glass plate on top of it.

A-2.2 Adjust the position of the container, the hole of the glass plate and nozzle of the burette, so that water can be dropped on the container without splashing/ spillage.

A-2.3 Fill the container with the water from the burette through the hole in the glass plate until the air bubbles are all removed.

A-2.4 The moment the bubbles are removed, stop the burette and read the quantity of water poured into the container body from the graduation of the burette.

A-2.5 The result gives the gross capacity of the container in cc/ml.

(*Continued from page* 2)

Members	*Representing*
SHRI S. K. GUPTA	Ministry of Defence (DGI)
SHRI M. L. DHUPAR (*Alternate*)	
SHRI A. K. HAZRA	Indian Aluminium Company Ltd, Calcutta
SHRI P. CHAKRAVORTY (*Alternate*)	
SHRI P. D. KATRAK	Zenith Tin Works Pvt Ltd, Bombay
SHRI A. S. GABULA (*Alternate*)	
SHRI M. M. L. KHULLAR	Tinplate Company of India Ltd, Jamshedpur
SHRI P. K. BANERJEE (*Alternate*)	
SHRI VINAY KUMAR	K. R. Steelunion Pvt Ltd, Delhi
SHRI RAM AVTAR (*Alternate*)	
SHRI U. D. LAAD	Poysha Industrial Company Ltd, Bombay
SHRI V. J. PRAKASH (*Alternate*)	
SHRI M. K. LAHIRI	Lipton India Ltd, Ghaziabad *and* Hindustan Lever Ltd, Bombay
SHRI A. K. BOSE (*Alternate*)	
DR M. MAHADEVIAH	Central Food Technological Research Institute, Mysore
SHRI A. R. VIJAYENDRA RAO (*Alternate*)	
SHRI V. N. S. MANIAN	Directorate General of Technical Development, New Delhi
SHRI RAMAWATAR PODDAR	Tinplate Fabricators Association, Calcutta
SHRI R. K. AGARWAL (*Alternate*)	
SHRI A. C. PURI	Metal Box India Ltd, Calcutta
DR S. LAKSHMANAN (*Alternate*)	
SHRI I. M. K. SEHGAL	Shri Ram Foods & Fertilizer Industries, New Delhi
SHRI T. N. AGGARWAL (*Atteruate*)	
SHRI M. K. SHUKLA	Indian Oil Corporation Ltd, Bombay
DR I. A. SIDDIQI	Directorate of Vanaspati, Vegetable Oils and Fats (Ministry of Food & Civil Supplies), New Delhi
SHRI ATUL SINHA	Directorate of Marketing and Inspection (Ministry of Rural Development), Faridabad
SHRI S. N. SINHA	Steel Authority of India Ltd, New Delhi
SHRI G. K. SOOD	Vanaspati Manufacturers' Association of India, Bombay

AMENDMENT NO. 1 SEPTEMBER 1995
TO
IS 5241 : 1987 SPECIFICATION FOR SHOE POLISH CONTAINERS

(*First Revision*)

(*Page* 4, *Table* 1, *Body Height, h, second row*) — Substitute

‘$15.0^{+1.5}_{-2.0}$’ *for* ‘14.0 ± 1.5’

(MTD 32)

Reprography Unit, BIS, New Delhi, India